

Appl. No. 10/708,505
Amdt. dated June 24, 2005
Reply to Office action of March 25, 2005

REMARKS

Amendments to the Specification

- 5 The non-descriptive title has been adjusted as per examiner's request. The original title, "Projection Display Device" is now more descriptively worded as, "PROJECTION DISPLAY WITH LAMP COOLING APPARATUS HAVING RECESS FORMED ON CASING AND FAN NOT INSIDE RECESS." No new matter is introduced.
- 10 The typographical errors in paragraphs [0005] and [0016] have been corrected. No new matter is introduced.

Claim Objections:

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Claims 1-7 are objected to because of the following informality: The use of the common and phrase " , and comprising " in claim 1 renders the claim ambiguous.

Response:

- 20 Claim 1 is amended to clearly claim the limitations. The amended claim 1 is fully supported by the specification. No new matter is introduced. The informalities of the wording of claim 1 have been removed.

- 25 **Claim 3 is objected to because of the following informalities: the use of the word flank to modify sides.**

Response:

Claim 3 is amended to correctly describe the location of the air inlet and the air outlet.

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No new matter is introduced. The incorrect use of the word "flank" has been removed.

Claims 8-12 are objected to because of the following informality: claim 8 claims a recess, however it does not claim in what.

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Response:

Claim 8 is amended to correctly describe the recess being disposed on the casing. No new matter is introduced. The amended claim 8 is fully supported by Fig. 3 and found in paragraph [0016] stating that "The fan 31 is installed at the bottom part of the lamp 22 and the recess 32 is opened on the casing 21 and located below the fan 31...."

Claim Rejections:

Claims 1-7 are rejected under U.S.C. 103(a) as being unpatentable over VanOverloop et al. as applied to claims 8-12 above, and further in view of Ogawa et al. (US 4,925,295.)

Response:

Ogawa et al. (US 4,925,295) do teach an exhaust fan and a recess to help guide the air, as stated in column 2, line 18: "a cooler arranged in contact with an outer surface of the display...." However, Ogawa et al. do not teach disposing the fan above and not in the recess. In addition, VanOverloop et al. fail to teach forming a recess on the casing. Therefore, Ogawa's teachings in view of VanOverloop's teachings do not suggest or teach the claimed feature "said fan being not inside said recess."

Applicants believe that the present invention's claimed feature "said fan being not inside said recess" would not have been obvious to one of ordinary skill in the art at the time the invention was made given the teachings of VanOverloop and Ogawa, and the rejection under 35 U.S.C. 103(a) is overcome accordingly. Claims 3-7 are dependent on amended claim 1, and should be allowed if amended claim 1 is found allowable.

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**Claims 8-12 are rejected under 35 U.S.C. 102(e) as being anticipated by
VanOverloop et al. (US 2004/0263790.)**

5 Response:

As mentioned above, Applicants have amended independent claim 1 to include the limitations that the fan is located above and not in the recess. For the same reason, Applicants believe that the present invention's claimed feature "said fan is not inside said recess" would not have been obvious to one of ordinary skill in the art at the time
10 the invention was made given the teachings of VanOverloop and Ogawa, and the rejection under 35 U.S.C. 103(a) is overcome accordingly. Claims 9-12 are dependent on amended claim 8, and should be allowed if amended claim 8 is found allowable.

New claim:

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Claim 13 is added and fully supported by FIG 3 and paragraph [0016]. No new matter is introduced.

Ogawa et al. do teach an exhaust fan and exhaust holes formed on the casing and
20 directly above the exhaust fan. VanOverloop et al. fail to teach air inlets and air outlets formed on the casing. Therefore, both Ogawa's and VanOverloop's teachings do not suggest or teach the claimed feature "at least one of said air inlet and said air outlet is not disposed directly above or below said fan."

Applicants believe that the new claim 13 has been placed in condition for allowance.


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Consideration of currently amended claims 1, 2, 3, 8 and new claim 13 is respectfully requested.

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Respectfully submitted,



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- 10 Note: Please leave a message in my voice mail if you need to talk to me. The time in D.C. is 12 hours behind the Taiwan time, i.e. 9 AM in D.C. = 9 PM in Taiwan.